DESCRIPTION

❖ CHARACTERS

The P1.53 indoor full-color LED display is a high-performance module developed by our company specifically for indoor use. The PCB adopts international FR-4 double-layer board standards, featuring a dual-layer circuit design with a board thickness of 1.2mm. The surface treatment process is OSP, and the PCB is shaped using CNC technology.The module includes 48 driver ICs and 4 row control ICs, with a 75 interface. The LED lights use 1921 indoor lamp beads, which are SMD surface-mounted LEDs with dimensions of 2.10*2.10*1.95mm. The encapsulation is a frosted matte finish, and the light emitted is full-color with a half-power viewing angle of 120 degrees.

SUMMARY

❖ Operating voltage	5V DC
❖ Maximum current	5.52A
❖ Maximum power	27.6W
❖ Gray level	14bit
❖ Frame change frequency	50&60Hz
❖ Refresh frequency	1920Hz

❖ APPLICATION AREA

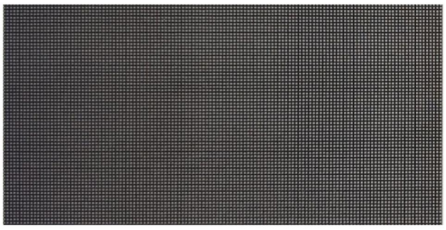
❖ Video advertising display

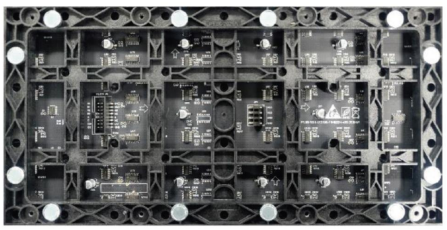
❖ Mall, large advertising display

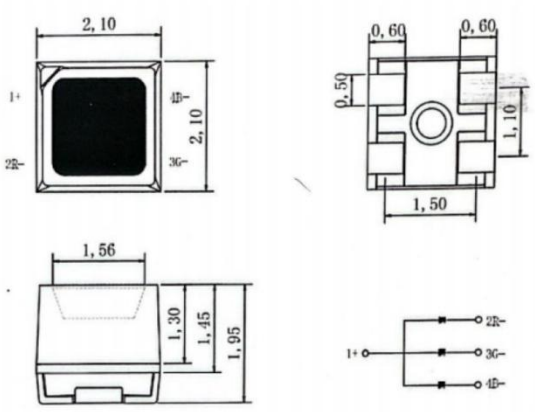
❖ High-grade LED advertising, display card

CERTIFICATION

The certification types will be increased as needed. You can contactour company's salesperson to learn more..







ITEM		MODEL
		EL-IN-ET-P1.53
Physical parameter	LED package	SMD1212-1R1G1B
	Horizontal view/vertical view	≤110/110
	Flatness	≥97%
	Bottom shell screw aperture	M4
	Input signal interface definition	HUB75
	Power socket specification	4P/90°
	Module weight KG/PCS	0.47
	Class of protection	IP3X
Optical parameter	Luminous intensity Lm	820
	Gray level bit	≥13
	Temperature K	10450
	Contrast	≤4000:1
	Brightness control	Manual/automatic/program control
Electrical parameter	Operating voltage （DC）V	5V
	Maximum current A	6.21
	Peak power W/PCS	31.05
	Average power W/PCS	10.35
Performance parameter	Refresh frequency HZ	≥3840Hz
	Frame change frequency Frame	60
	Driving mode	Constant current drive
	Scanning mode	1/52
	Color correction	It is equipped with point by point correction of brightness and chroma
	Whole screen out of control point	≤0.003%，出厂时为 0
	Regional runaway point	≤0.009%
	Screen temperature rise (using running state)	≤5°
Adaptation scenario	Operating ambient temperature	-10℃～60℃
	Operating environment humidity	35%～75%RH，Non-condensing
	Usage scenario	Indoor
Adaptive chassis	Product chassis dimensions (W x H)	640*480mm0
	Chassis resolution (W x H)	416*312
	Input signal interface	RJ45
	Power signal interface	3* U-shaped terminals

描述

	Class of protection	IP5X
White balance debugging parameters	R Brightness CD/M²	260
	R current A	3.59
	R-resistance KΩ	1
	G Brightness CD/M²	384
	G Electric current A	1.98
	G Resistance value KΩ	2.2
	B Luminance CD/M²	170
	B Electric current A	2.1
	B Resistance value KΩ	2
	W Luminance CD/M²	820
	W Electric current A	6.21

特征

P1.53，室内全彩屏，是我司专门为室内研发的一款高性能模组，PCB 采用国际 FR-两层板，双层电路板设计，板材厚度1.2mm，表面处理工艺为 OSP，PCB
成型为CNC工艺，驱动IC为48颗，行管IC为4颗，75接口LED灯采用1921室内灯珠，SMD贴片发光二极管
2.10*2.10*1.95mm，胶体颜色为：磨砂雾状，发光颜色：全彩，半功率角度：120度

概要

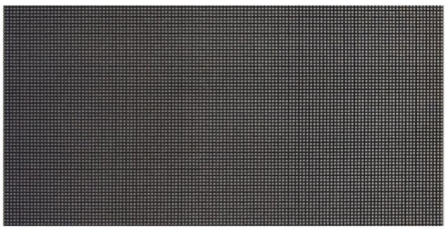
- ❖ 工作电压 5V直流
- ❖ 最大电流 6.21A
- ❖ 最大功率 31.05W
- ❖ 灰度等级 14bit
- ❖ 换帧频率 50&60Hz
- ❖ 刷新频率 1920Hz

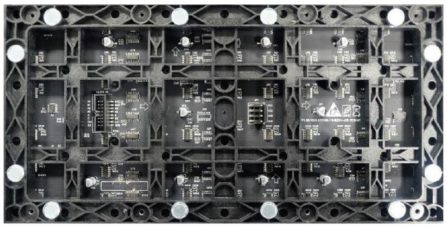
应用领域

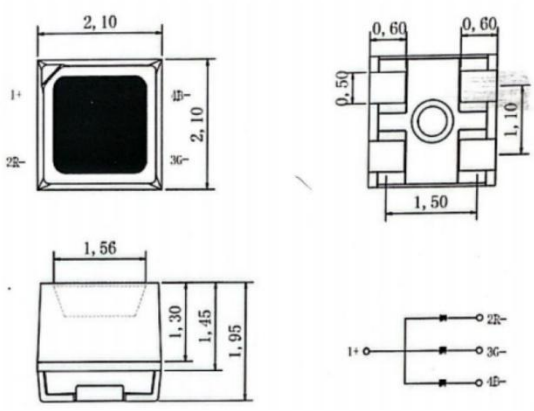
- ❖视频广告展示
- ❖商场中、中大型广告展示
- ❖高档LED广告、展示牌

认证

认证种类将会增加，请联系本公司销售。







说明		型号
		EL-IN-ET-P1.53
物理参数	LED 封装	SMD1212-1R1G1B
	水平视角/垂直视角	≤110/110
	平整度	≥97%
	底壳螺丝孔径	M4
	输入信号接口定义	HUB75
	电源座规格	4P/90°
	模组重量 KG/PCS	0.47
	防护等级	IP3X
光学参数	发光强度 Lm	820
	灰度 bit	≥13
	色温 K	10450
	对比度	≤4000:1
	亮度调节	手动/自动/程控
电性参数	工作电压 （DC）V	5V
	最大电流 A	6.21
	峰值功率 W/PCS	31.05
	平均功率 W/PCS	10.35
性能参数	刷新频率 HZ	≥3840Hz
	换帧频率 帧	60
	驱动方式	恒流驱动
	扫描方式	1/52
	色彩校正	配备亮度与色度逐点校正
	整屏失控点	≤0.003%，出厂时为 0
	区域失控点	≤0.009%
	屏幕温升（使用运行状态）	≤5度
适配场景	运行环境温度	-10℃～60℃
	运行环境湿度	35%～75%RH，无凝结
	使用场景	室内
	产品机箱尺寸(宽×高)	640*480mm

适配机箱	机箱分辨率(宽×高)	416*312
	输入信号接口	RJ45
	电源信号接口	3*U 形端子
	防护等级	IP5X
白平衡调试参数	R 亮度 CD/M²	260
	R 电流 A	3.59
	R 阻值 KΩ	1
	G 亮度 CD/M²	384
	G 电流 A	1.98
	G 阻值 KΩ	2.2
	B 亮度 CD/M²	170
	B 电流 A	2.1
	B 阻值 KΩ	2
	W 亮度 CD/M²	820
	W 电流 A	6.21